

Docket S-8494 (1502-88 PCT US)

AMENDMENTS TO THE CLAIMS

Please cancel claims 12 and 18.

1. (Currently Amended) A curable composition for providing a lubricant for medical devices when cured comprising:
a radiation curable silicone [-epoxy copolymer] having epoxy pendant groups;
a secondary silicone component other than a radiation curable silicone having epoxy pendant groups;
and
a photoinitiator.
2. (Original) The lubricant according to claim 1 further comprising a vinyl ether.
3. (Currently Amended) The lubricant according to claim 2 wherein said vinyl ether is selected from the group consisting of monovinyl ether of 2-ethyl-1-[1] hexanol, ~~monovinyl ether, a dodecanol, divinyl ether, 1,4 cyclohexanedimethanol and divinyl ether, or)II stopped poly(tetrahydrofuran).~~ monovinyl ether of n-dodecanol, and divinyl ether of 1, 4-cyclohexanedimethanol.
4. (Currently Amended) The lubricant according to claim 1 wherein said radiation curable silicone ~~copolymer~~ is an epoxy modified polydimethylsiloxane.
5. (Currently Amended) The lubricant according to claim 1 wherein said photoinitiator is selected from the group consisting of diaryliodonium[,] tetrakis (pentafluorophenyl) borate salt, bis(dodecylphenyl) iodonium hexafluoroantimonate, bis(dodecylphenyl) iodonium hexafluoroarsenate and (4-octyloxyphenyl) (phenyl) iodonium hexafluoroantimonate.
6. (Currently Amended) The lubricant according to claim 1 wherein said secondary

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silicone component is selected from the group consisting of[,] polydimethylsiloxane, ~~methytrimethoxy silane, methyltriacetoxy silane, silicone chloride, vinyl trimethoxy silane, bis(trimethoxysilyl), propylamine, gamma ureidopropyl trimethoxy silane and organosilane ester tri (3 (trimethoxysilyl) propyl) isocyanurate~~ polymethyltrimethoxy silane, polymethyltriacetoxy silane, poly (silicone chloride), poly (vinyl trimethoxy silane, poly bis (trimethoxysilyl) propyl amine, poly gamma-ureidopropyl trimethoxy silane, poly organosilane ester tri (3- trimethoxysilyl) propyl isocyanurate, a poly fluorosilicone, or the like.

7. (Currently Amended) The lubricant according to claim 1 ~~wherein said radiation curable silicone copolymer is cured by at least one of ultraviolet light, electron beam radiation and gamma radiation.~~

8. (Currently Amended) A method for lubricating hypodermic needles comprising: applying a coating mixture comprising a radiation curable ~~silicone copolymer~~ having epoxy pendant groups, a secondary silicone component other than a radiation curable silicone having epoxy pendant groups, a photoinitiator and vinyl ether to a penetrating surface of a hypodermic needle; and curing said coating by exposure to radiation.

9. (Original) The method according to claim 8 wherein said radiation is selected from the group consisting of: ultraviolet light, electron beam and gamma radiation.

10. (Original) The method according to claim 8 wherein said coating is applied to said hypodermic needle by at least one of: i) dipping, ii) spraying, iii) padding, and iv) passing through a flowing cascade.

11. (Currently Amended) The method according to claim 8 wherein said vinyl ether is selected from the group consisting of ~~monovinyl ether of 2-ethyl-1-hexanol, monovinyl ether~~

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~~of n-dodecanol, divinyl ether of 1,4-cyclohexanedimethanol and divinyl ether of)H~~
~~stopped poly(tetrahydrofuran).~~ monovinyl ether of 2-ethyl-1-hexanol, monovinyl ether of n-
dodecanol, and divinyl ether of 1,4-cyclohexanedimethanol.

12. (Cancelled).

13. (Currently Amended) The method according to claim 8 wherein said photoinitiator is selected from the group consisting of diaryliodonium[,] tetrakis (pentafluorophenyl) borate salt, bis(dodecylphenyl) idonium hexafluoroantimonate, bis(dodecylphenyl) idonium hexafluoroarsenate and (4-octyloxyphenyl) (phenyl) iodonium hexafluoroantimonate.

14. (Currently Amended) The method according to claim 8 wherein said secondary silicone component is selected from the group consisting of polydimethylsiloxane, ~~methyltrimethoxy silane, methyltriacetoxysilane, silicone chloride, vinyl trimethoxysilane, bis(trimethoxysilyl) propyl amine, gamma-ureidopropyl trimethoxy silane and organosilane ester tri (3-trimethoxysilyl) propyl isocyanurate,~~ polymethyltrimethoxy silane, polymethyltrianetoxysilane, poly (silicone chloride), poly (vinyl trimethoxy silane, poly bis (trimethoxysilyl) propyl amine, poly gamma-ureidopropyl trimethoxy silane, poly organosilane ester tri (3-trimethoxysilyl) propyl isocyanurate, a poly fluorosilicone, or the like.

15. (Original) The method according to claim 8 further comprising the step of packaging said hypodermic needle in a sealed case prior to radiating said coating.

16. (Currently Amended) A method for lubricating hypodermic needles comprising: applying a first coating mixture comprising a radiation curable silicone copolymer, having epoxy pendant groups, a secondary silicone component other than a silicone having epoxy pendant groups, a photoinitiator and a vinyl ether to a penetrating surface of a hypodermic needle;

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curing said first coating by exposure to radiation; and

applying a second coating mixture comprising a secondary silicone component other than a silicone having epoxy pendant groups, dispersed in a carrier solvent.

17. (Currently Amended) The method according to claim 16 wherein said vinyl ether in said first coating is selected from the group consisting of monovinyl ether of 2-ethyl-1-hexanol, ~~monovinyl ether of n-dodecanol, divinyl ether of 1,4-cyclohexanedimethanol and divinyl ether of 1,4-cyclohexanedimethanol~~, monovinyl ether of n-dodecanol and divinyl ether of 1,4-cyclohexanedimethanol.

18. (Cancelled)

19. (Currently Amended) The method according to claim 16 wherein said photoinitiator in said first coating is selected from the group consisting of diaryliodonium[.] tetrakis (pentafluorophenyl) borate salt, bis(dodecylphenyl) iodonium hexafluoroantimonate, bis(dodecylphenyl) iodonium hexafluoroarsenate and (4-octyloxyphenyl) (phenyl) iodonium hexafluoroantimonate.

20. (Currently Amended) The method according to claim 16 wherein said secondary silicone component in said first coating is selected from the group consisting of polydimethylsiloxane, methyltrimethoxy silane, methyltriacetoxysilane, ~~silicone chloride, vinyl trimethoxysilane, bis(trimethoxysilyl) propyl amine, gamma-ureidopropyl trimethoxy silane and organosilane ester tri (3-(trimethoxysilyl) propyl) isocyanurate.~~ polymethyltrimethoxy silane, polymethyltriacetoxysilane, poly (silicone chloride), poly (vinyl trimethoxy silane, poly bis (trimethoxysilyl) propyl amine, poly gamma-ureidopropyl trimethoxy silane, poly organosilane ester tri (3-trimethoxysilyl) propyl isocyanurate, a poly fluorosilicone, or the like.

21. (Currently Amended) The method according to claim 16 wherein said secondary

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silicone component in said second coating is selected from the group consisting of polydimethylsiloxane, ~~methyltri-methoxy-silane, methyltriacetoxysilane, silicone chloride, vinyl trimethoxysilane, bis(trimethoxysilyl) propyl amine, gamma ureidopropyl trimethoxy silane, bis(trimethoxysilyl) propyl amine, gamma ureidopropyl trimethoxy silane and organosilane ester tri (3-(trimethoxysilyl) propyl) isocyanurate.~~ polymethyltrimethoxy silane, polymethyltriacetoxysilane, poly (silicone chloride), poly (vinyl trimethoxy silane, poly bis (trimethoxysilyl) propyl amine, poly gamma-ureidopropyl trimethoxy silane, poly organosilane ester tri (3- trimethoxysilyl) propyl isocyanurate, a poly fluorosilicone, or the like.

22. (Currently Amended) The method according to claim 16 wherein said secondary silicone component in said second coating is a mixture of at least two silicone components selected from the group consisting of polydimethylsiloxane, ~~methyltri-methoxy-silane, methyltriacetoxysilane, silicone chloride, vinyl trimethoxysilane, bis(trimethoxysilyl) propyl amine, gamma ureidopropyl trimethoxy silane and organosilane ester tri (3-(trimethoxysilyl) propyl) isocyanurate.~~ polymethyltrimethoxy silane, polymethyltriacetoxysilane, poly (silicone chloride), poly (vinyl trimethoxy silane, poly bis(trimethoxysilyl) propyl amine, poly gamma- ureidopropyl trimethoxy silane, poly organosilane ester tri (3-trimethoxysilyl) propyl isocyanurate, a poly fluorosilicone, or the like.